

Notice of Allowability

Application No.

10/760,414

Examiner

Khiem Nguyen

Applicant(s)

BENHAM, JOHN

Art Unit

2839

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Letter of 1/21/04.
2. ☒ The allowed claim(s) is/are 1-19.
3. ☒ The drawings filed on 5/27/04 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Khiem Nguyen
Khiem Nguyen
Primary Examiner

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

None of the prior art discloses the claimed electrical interconnection arrangement as being recited in the independent claims of the present invention.

Claims 1, 3, 4, 6 – 8, 13 – 15 recite inter alia an electrical interconnection arrangement for mating to a PC board comprising a cable laminate adapted to receive a plurality of twinaxial cables; an interposer including a plurality of spring contacts; wherein said interposer has a first side adapted to mate with said cable laminate and electrically connect said plurality of spring contacts each to one end of said plurality of twinaxial cables; and wherein said interposer has a second side adapted to mate with the PC board and electrically connect said plurality of spring contacts to mating contact points on the PC board, thereby electrically connecting said twinaxial cables to the PC board.

Claims 2, 5, 12, 16, and 17 recite inter alia an electrical interconnection arrangement comprising an adapter adapted to receive a twinaxial cable; and first and second coaxial cable type connectors located on said adapter; wherein an inner conductor of said first coaxial cable type connector is electrically connected to a first inner conductor of said twinaxial cable and an inner conductor of said second coaxial cable type connector is electrically connected to a second inner conductor of said twinaxial cable; and wherein an outer shell of said first and second coaxial cable type connectors is connected to an outer conductive shield of said twinaxial cable, thereby

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enabling said twinaxial cable to be electrically connected to two coaxial cable type connectors.

Claims 9-11, 18-19 recite inter alia an electrical interconnection arrangement comprising a plurality of adapters each adapted to receive one of a plurality of twinaxial cables; and first and second coaxial cable type connectors located on each of said adapter; wherein an inner conductor of said first coaxial cable type connector of each said plurality of adapters is electrically connected to a first inner conductor of its respective twinaxial cable and an inner conductor of said second coaxial cable type connector is electrically connected to a second inner conductor of its twinaxial cable; and wherein an outer shell of said first and second coaxial cable type connectors of each of said adapters is connected to an outer conductive shield of its respective twinaxial cable, thereby enabling each of said plurality of twinaxial cables to be electrically connected to two coaxial cable type connectors.

The art of record does not disclose the claims' limitations, nor would it be obvious to modify the art of record so as to include the above limitations.


Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khiem Nguyen whose telephone number is 571 272-2096. The examiner can normally be reached on Mon-Fri.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TC Patel can be reached on 571 272-2098. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Khiem Nguyen
Primary Examiner
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